

Query/Command : prt max legalall

1/1 PLUSPAT - ©QUESTEL-ORBIT

PN - US6321074 B1 20011120 [US6321074]

TI - (B1) Apparatus and method for reducing oscillator frequency pulling during AM modulation

PA - (B1) ITRON INC (US)

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AP - US33691299 19990621 [1999US-0336912]

FD - Rel. Prov. 60/120,641 19990200 [1999US-P120641]

PR - US33691299 19990621 [1999US-0336912]
US12064199P 19990218 [1999US-P120641]

IC - (B1) H04B-001/06

EC - G01R-021/10
H03C-001/06
H03F-001/34H
H03G-003/00P
H03L-001/02
H03L-007/18

PCL - ORIGINAL (O) : 455260000; CROSS-REFERENCE (X) : 332127000
455075000 455076000 455108000 455112000 455118000 455119000

DT - Basic

CT - US4395776; US4570132; US4593256; US4816774; US5021754; US5055800;
US5166647; US5268657; US5604468

STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

AB - The invention discloses an apparatus and method for reducing frequency pulling. Further, the invention provides amplitude modulation techniques to eliminate spurious signals and injection locking of the VCO to the output transmitted carrier. The architecture includes at least one synthesizer, a plurality of frequency dividers, an output VCO, a low pass filter, a mixer, a pretransmission filter and an amplifier connected in a manner to generate an output frequency which is non-harmonically related to the synthesizer VCO and to maintain the magnitude of the output frequency at, preferably, exactly 1.5 times higher than the VCO frequency.

UP - 2001-48

1/1 LGST - ©EPO

PN - US6321074 B1 20011120 [US6321074]

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ACT - 20040217 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20031119

UP - 2004-10

1/1 CRXX - ©CLAIMS/RRX

PN -  6,321,074 A 20011120 [US6321074]

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ACT - 20030304 REASSIGNED
SECURITY INTEREST

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Reissue Patent Number:

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RELEASE OF SECURITY INTEREST

Assignor: WELLS FARGO BANK, NATIONAL ASSOCIATION, AS
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Reel 014822/Frame 0081

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Search statement 5